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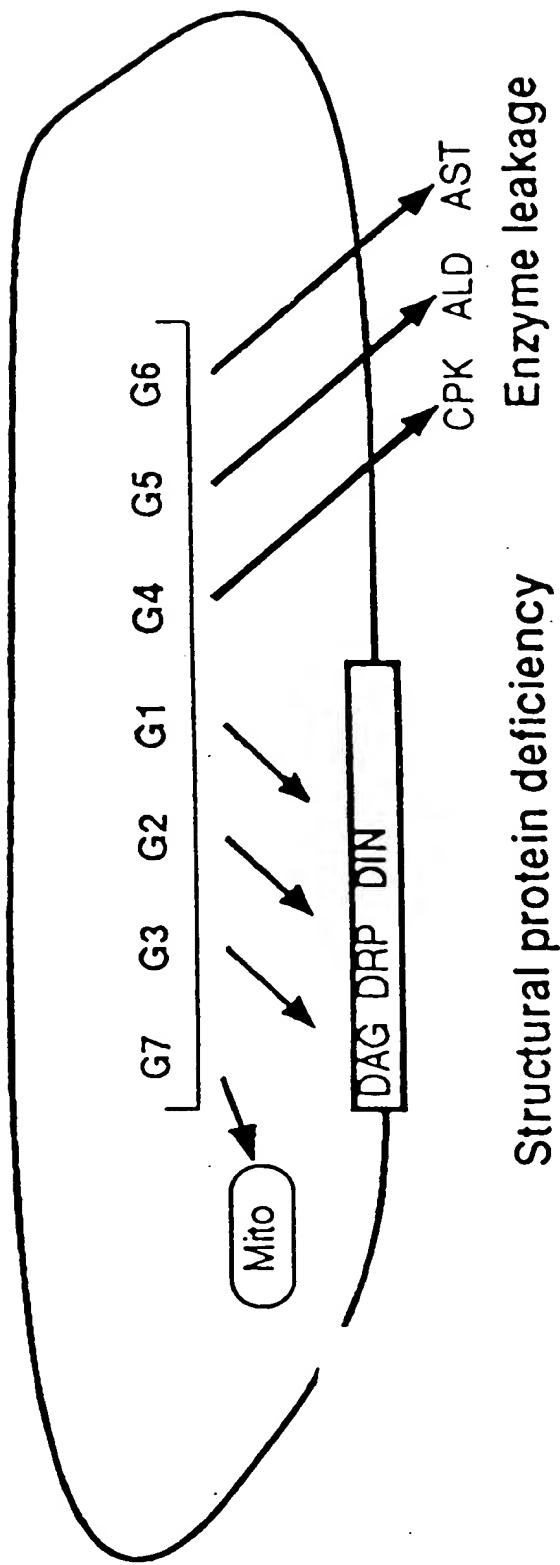
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Structural protein deficiency Enzyme leakage

FIG. I

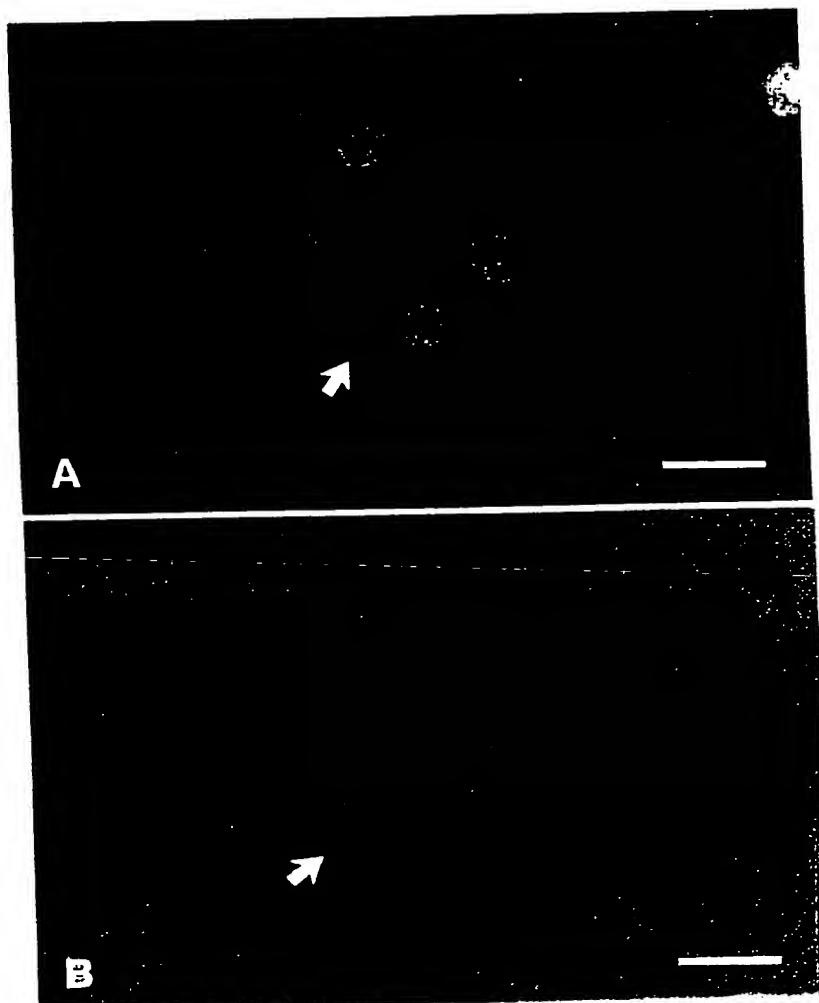


FIG. 2

#11:/1/ST07B003\FL1-H\FL1-Height

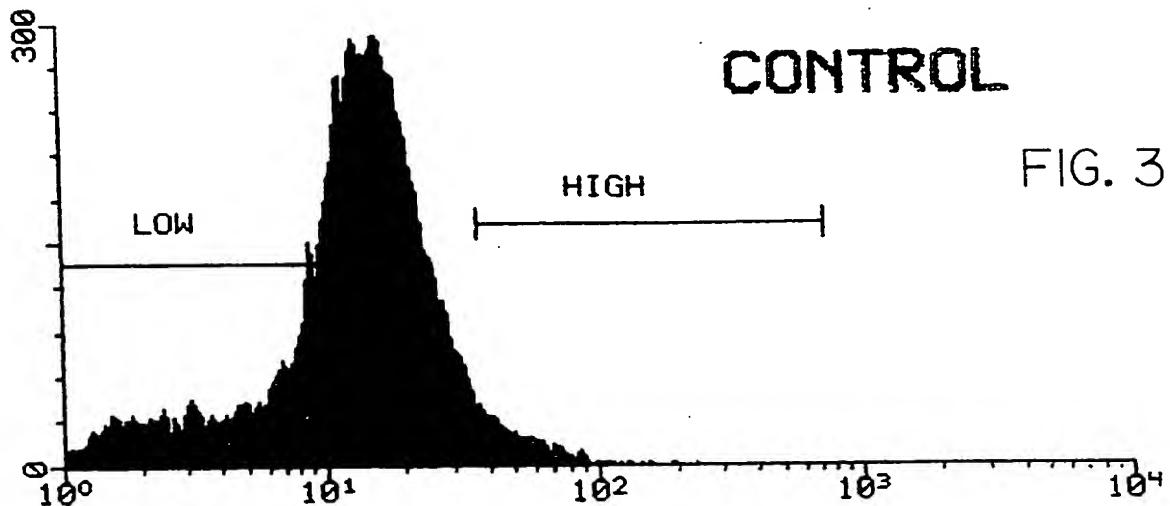
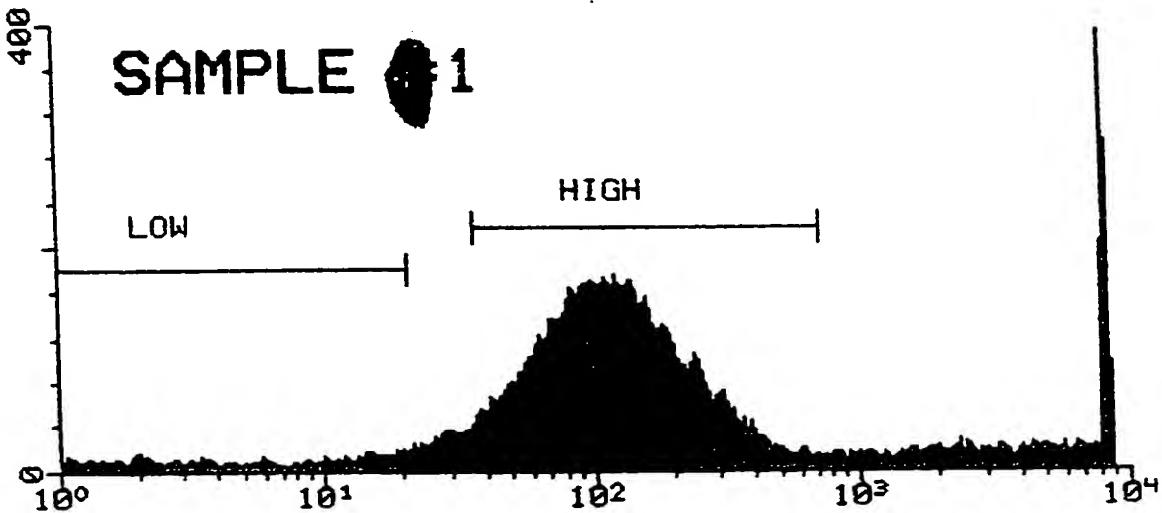
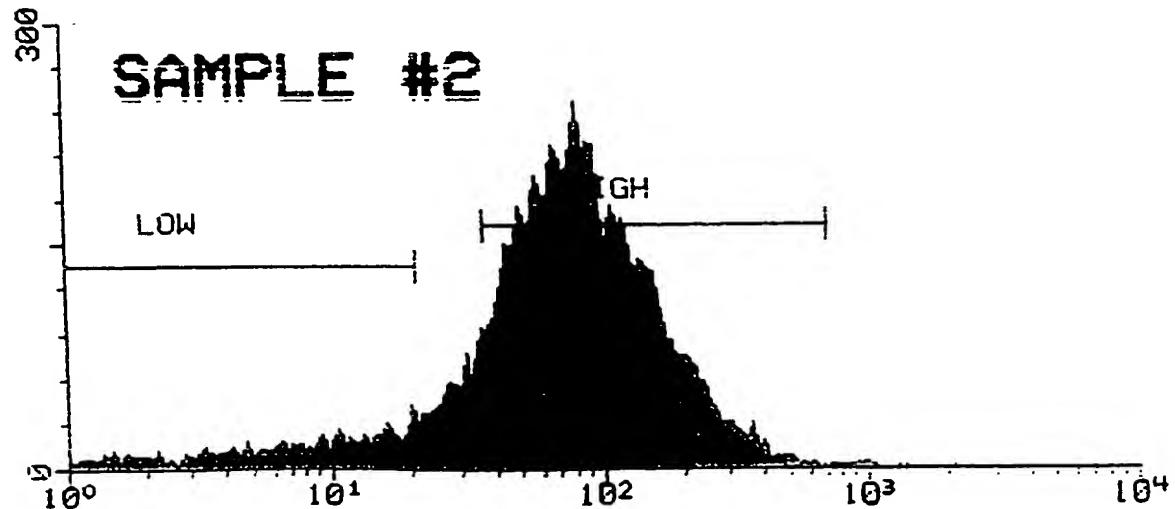


FIG. 3

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#11:/1/ST07B002\FL1-H\FL1-Height



#11: /1/ST07B002

50% Log

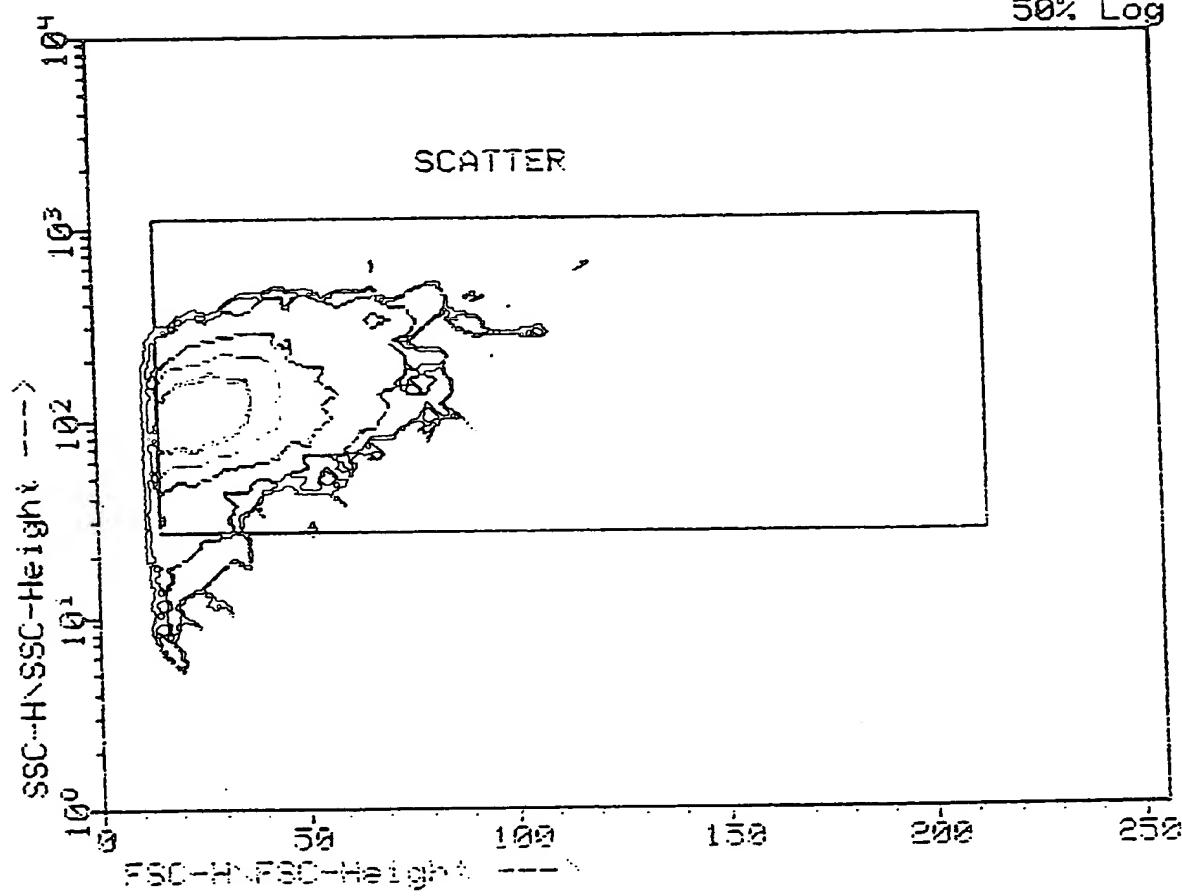


FIG. 4

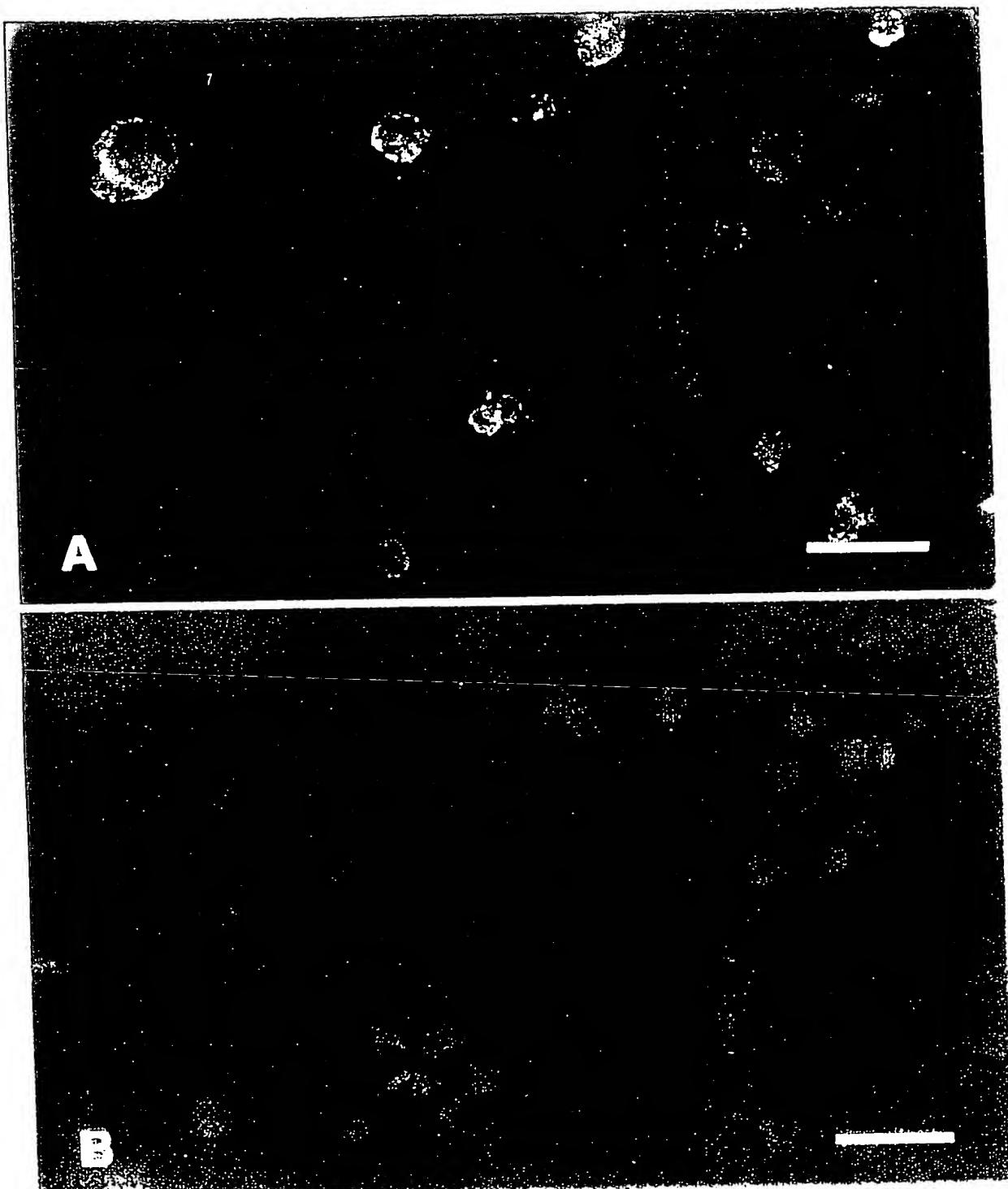


FIG. 5

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ANGLE OF INJECTION DETERMINES
MYOBLAST DISTRIBUTION A>B>C>D

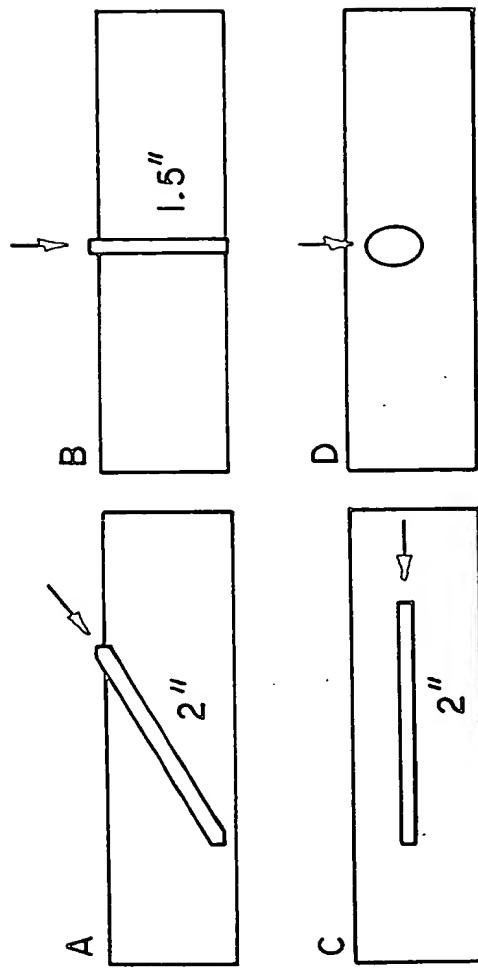


FIG. 6

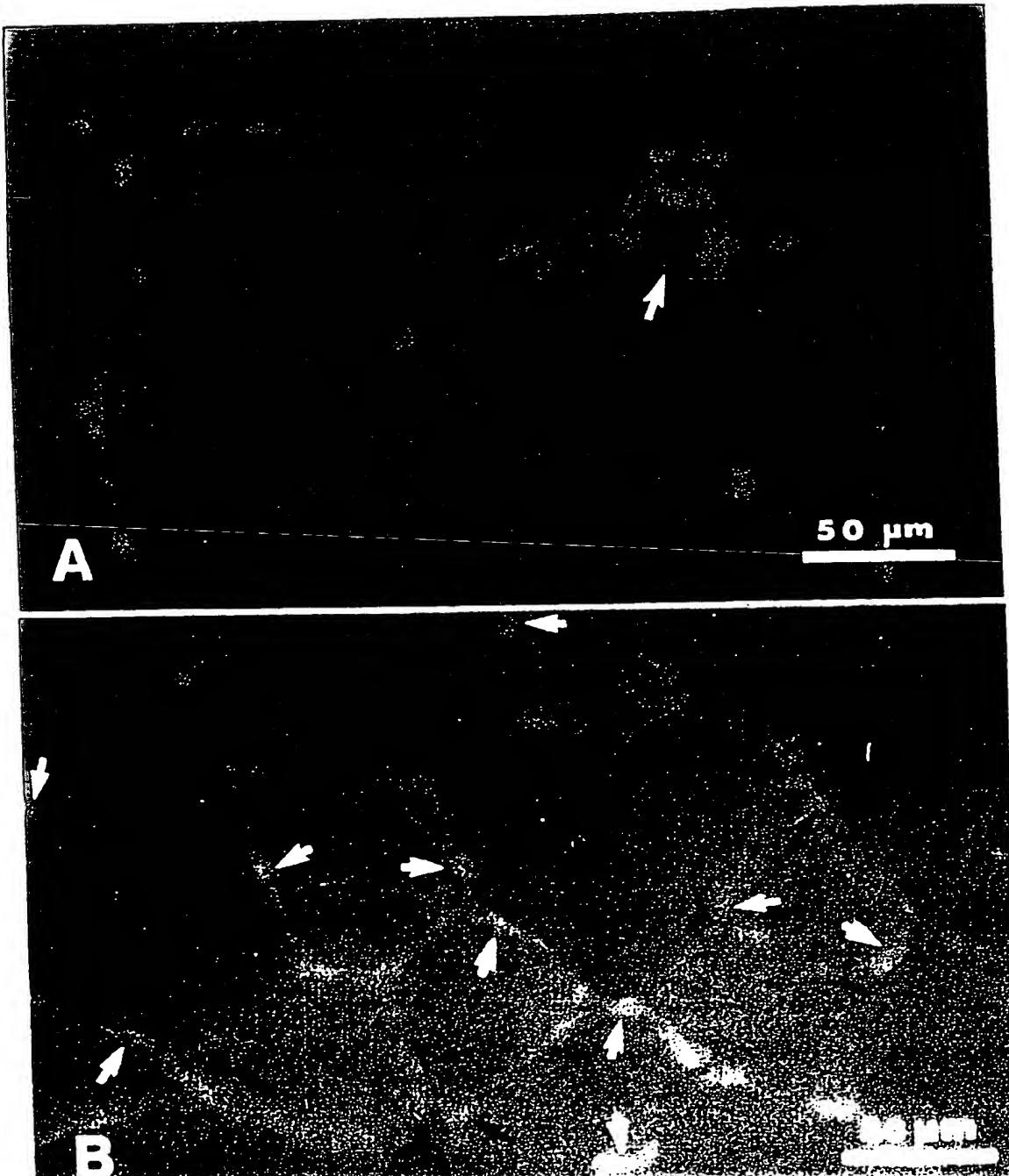
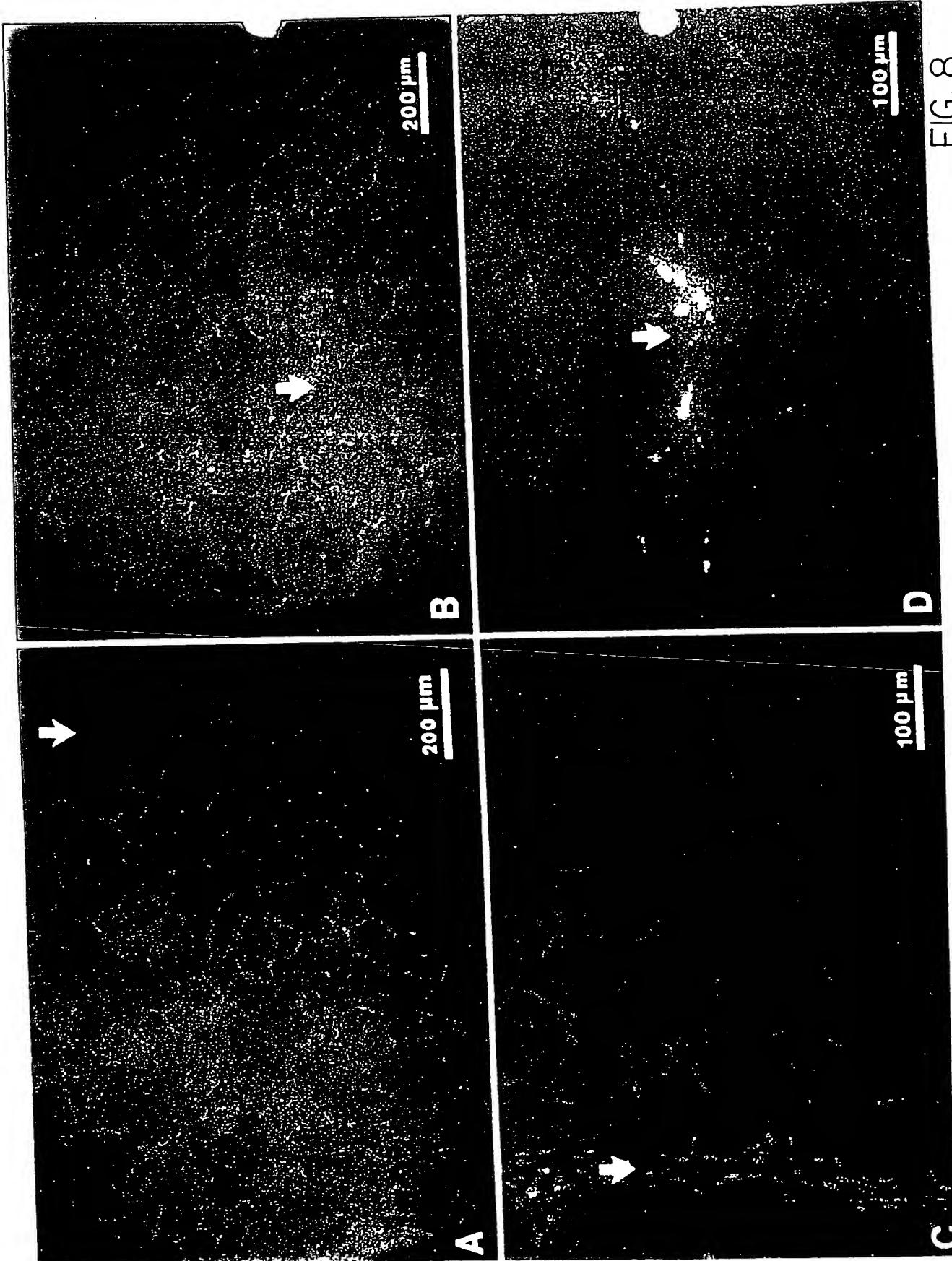


FIG. 7

FIG. 8



PRODUCTION OF ALLOPHENIC TWINS

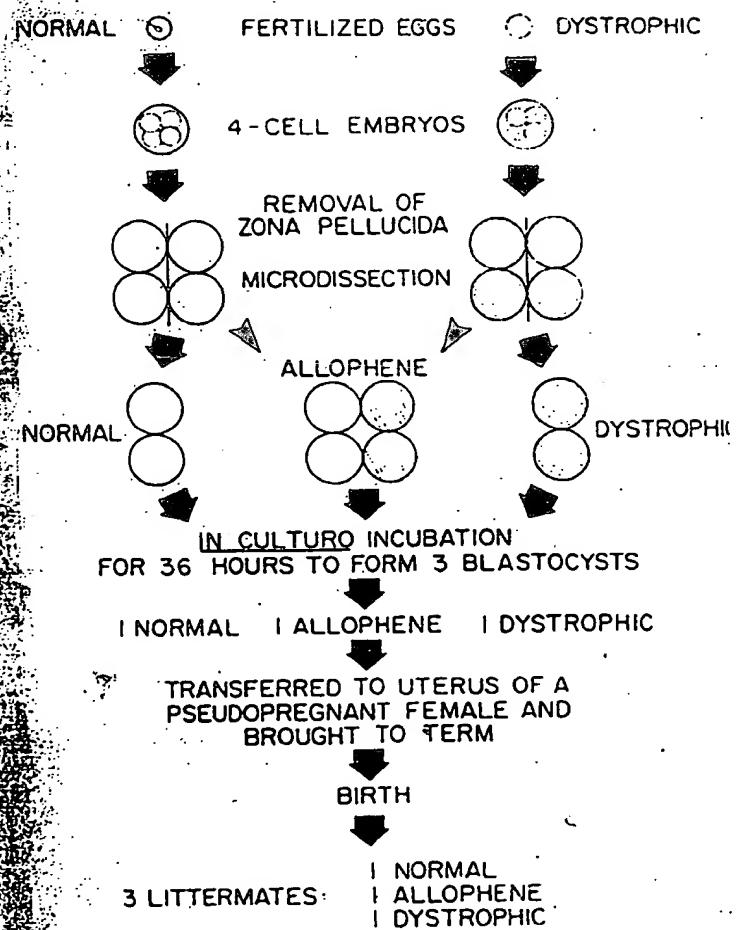


FIG.9



FIG. 10

Figure 11: Electromyograms (EMGs) showing Twitch and Tetanus responses at 80 Hz for Normal, Allophenic, and Dystrophic mice. The Normal and Allophenic mice show a clear biphasic response, while the Dystrophic mouse shows a monophasic response. Scale bars indicate 10mV and 100ms.

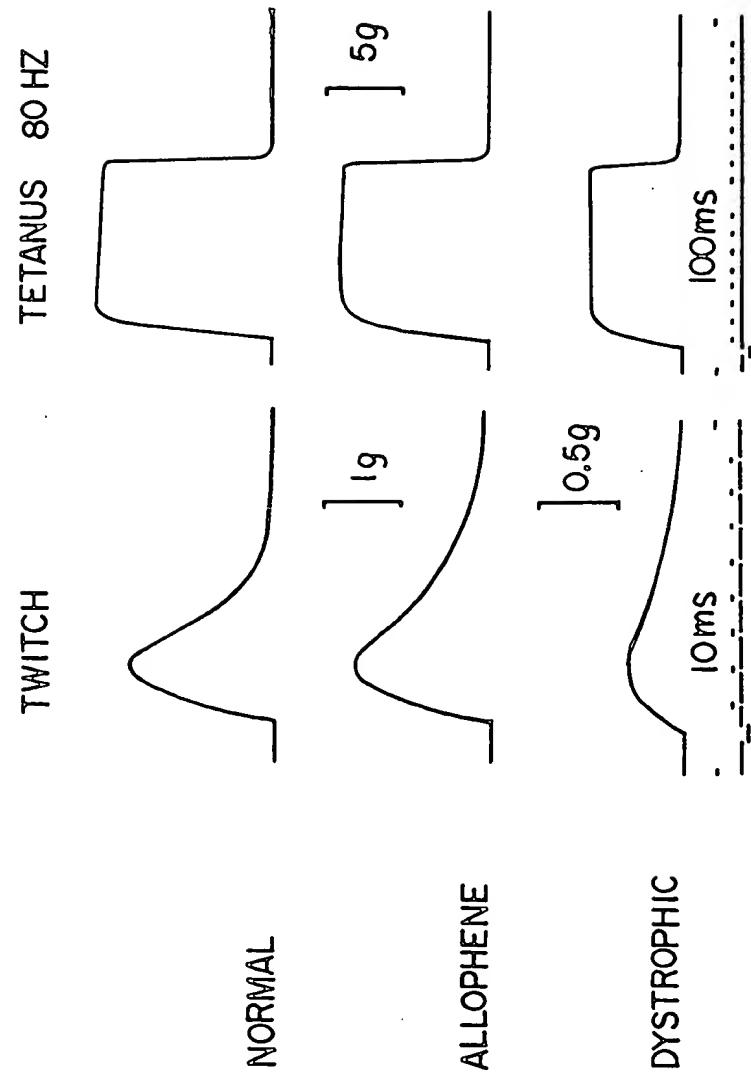


FIG. 11

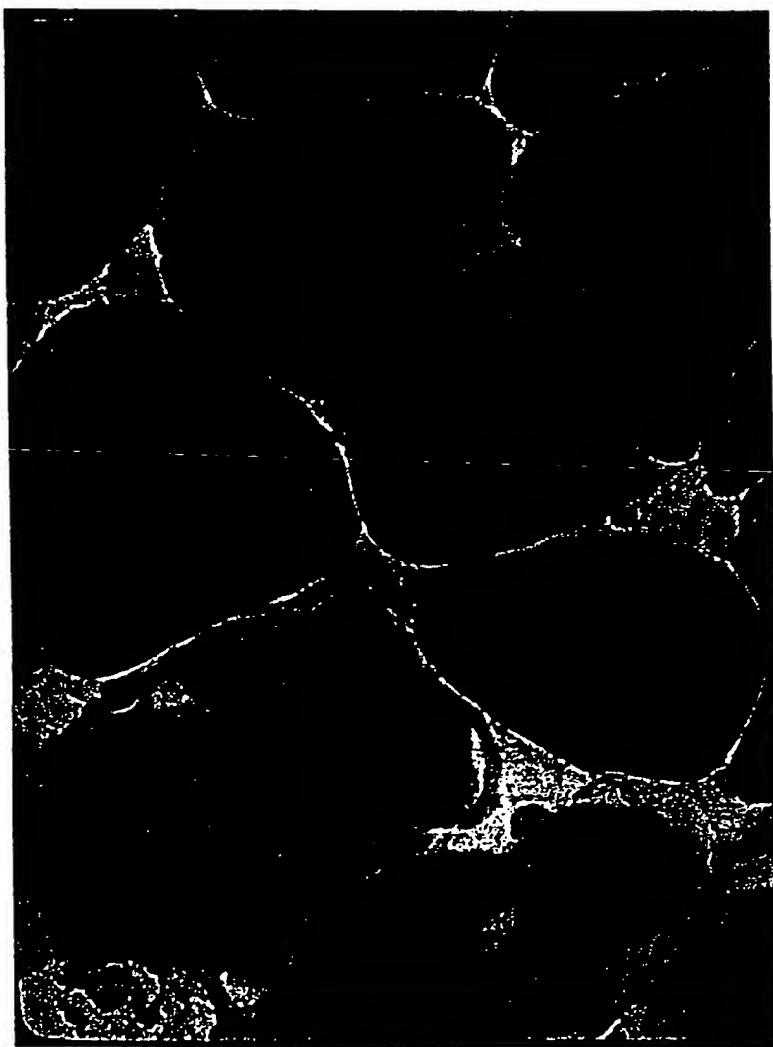


FIG. I2

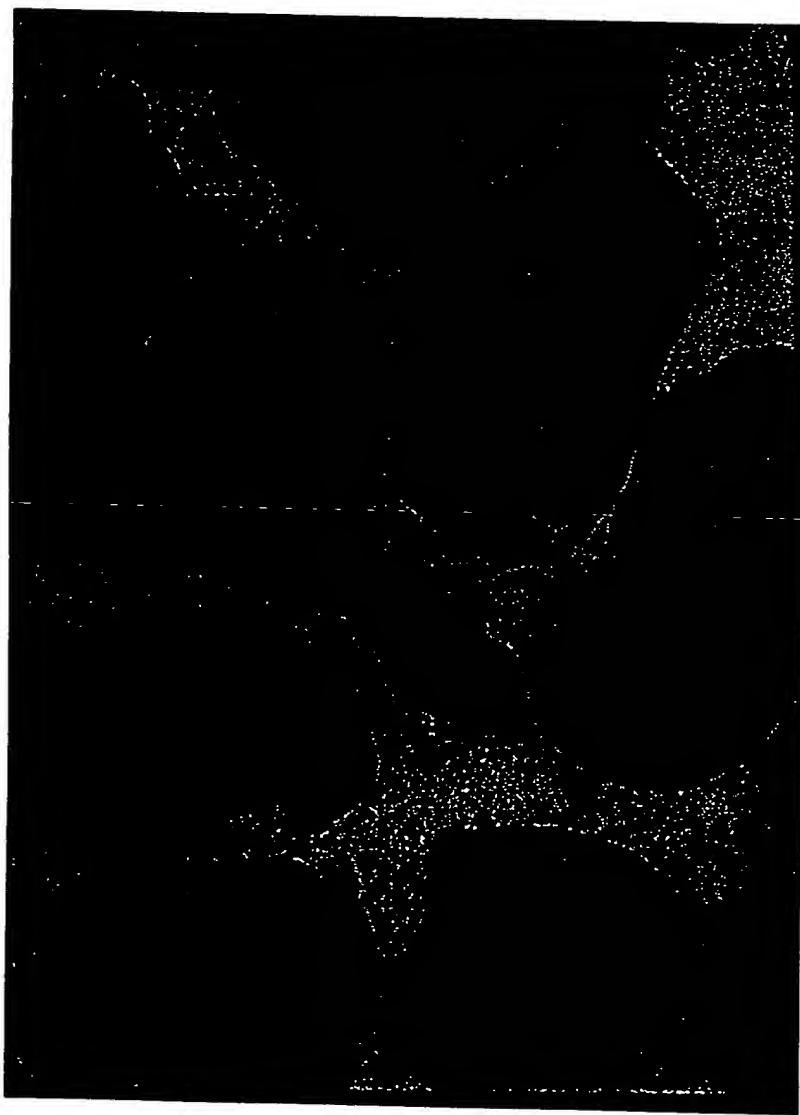


FIG. 13

Instrument components

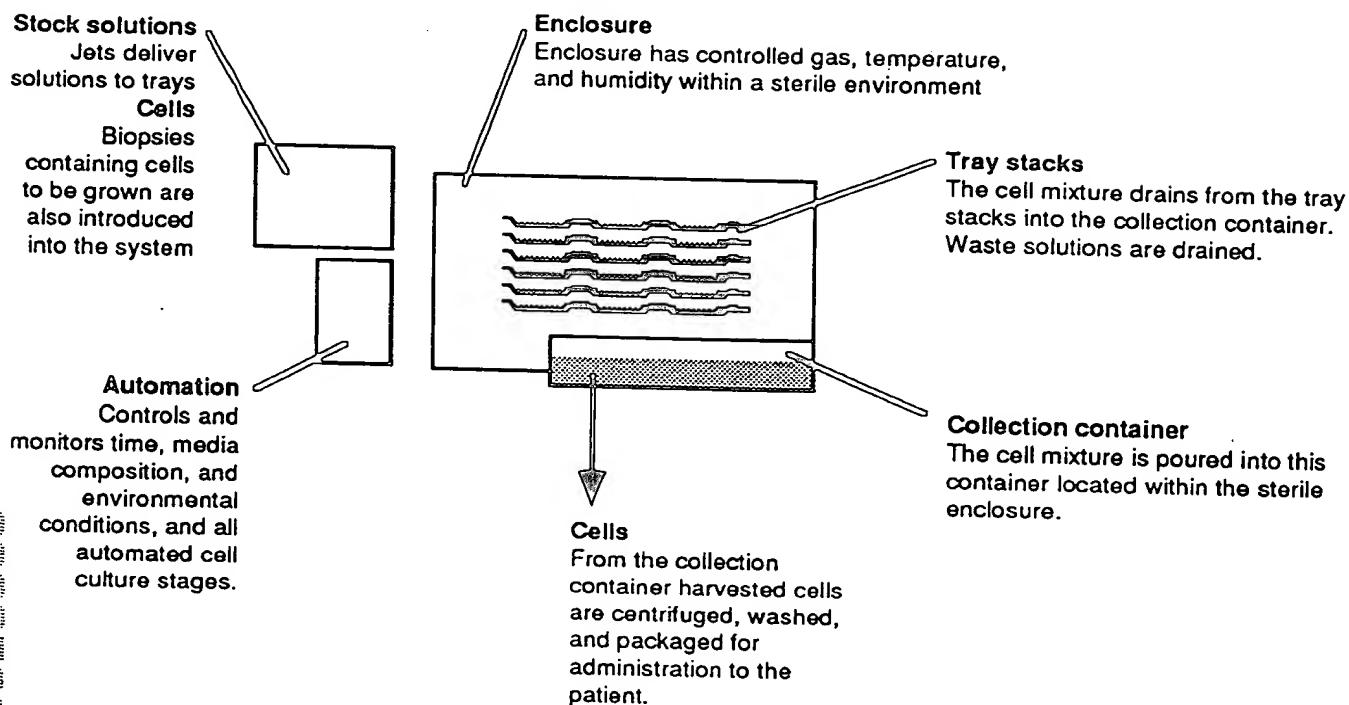
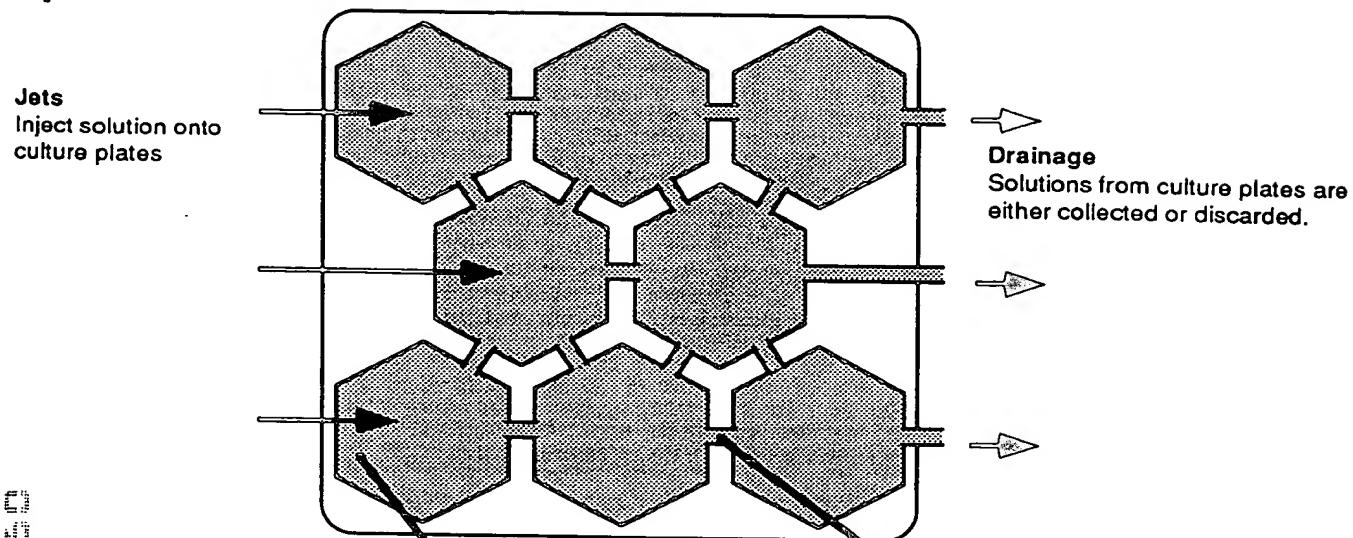


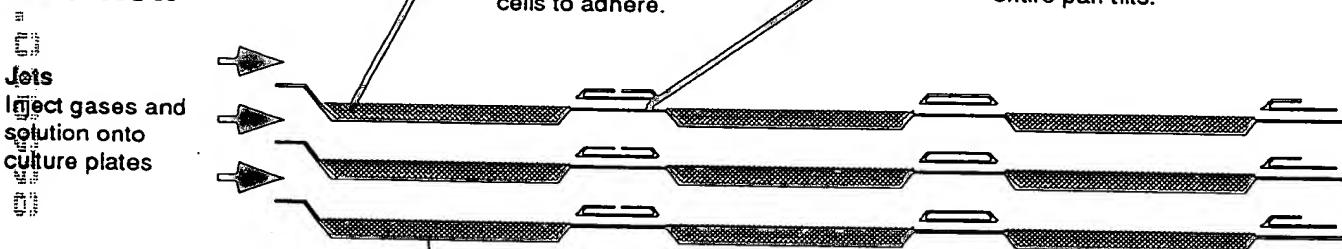
FIG.14

Culture trays

Top view



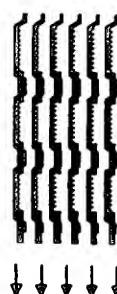
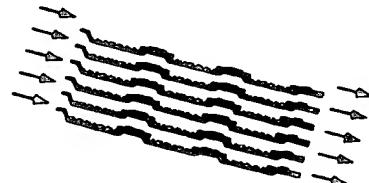
Side view



Tray stacks

Composed of many culture plates interconnected by flow ducts. Trays are stacked but do not touch.

Automated actions



Fill
Jets fill trays with solution

Wash and drain
Tray stacks tilt to allow solutions to drain during washing or media changes. Jets add fresh solution to trays while wash solutions are drained and discarded. Detached cell mixtures are collected.

Drain and collect
Tray stacks tilt to vertical to maximize detached cell collection during harvest.

FIG.15

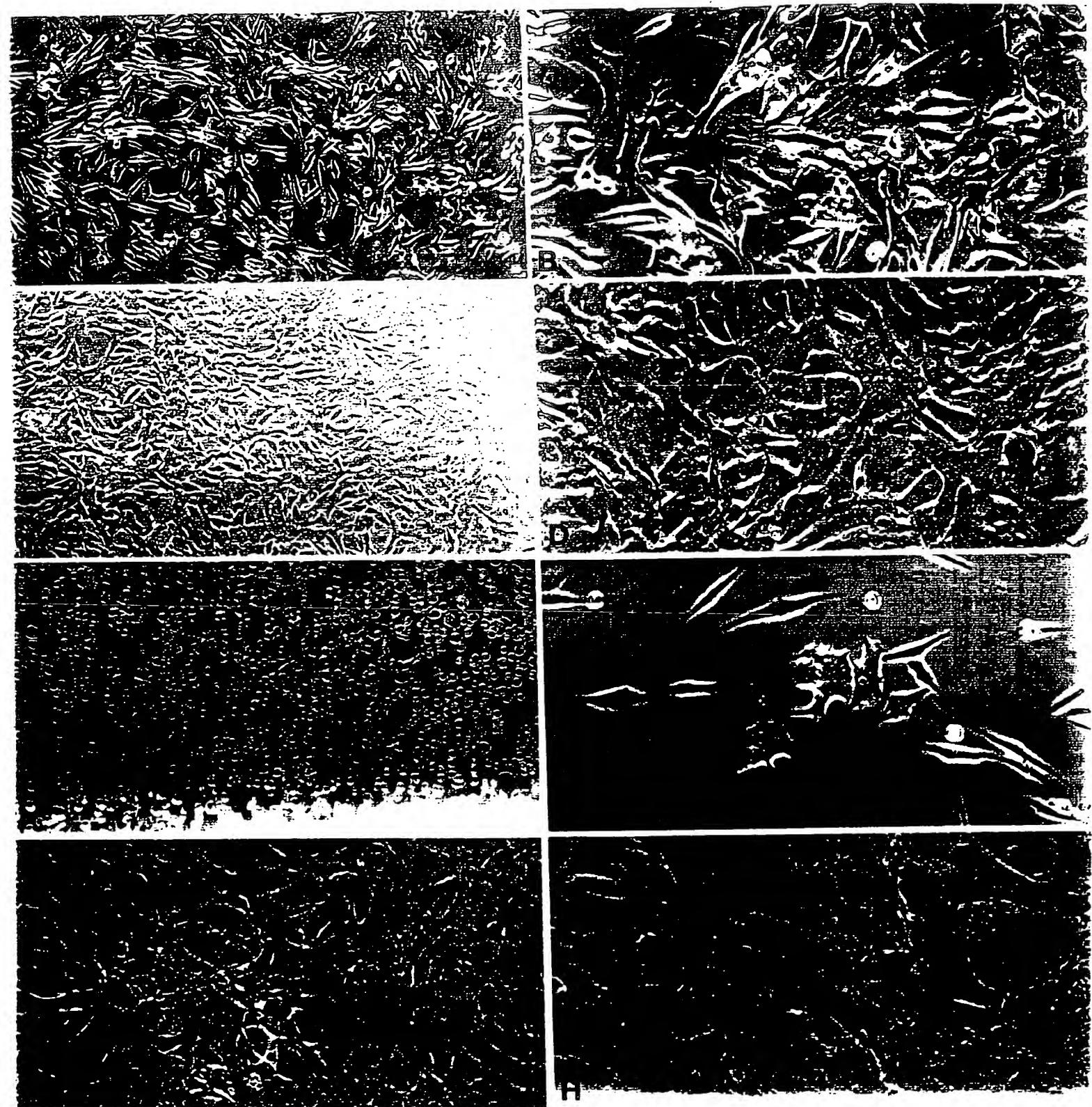


FIG.16

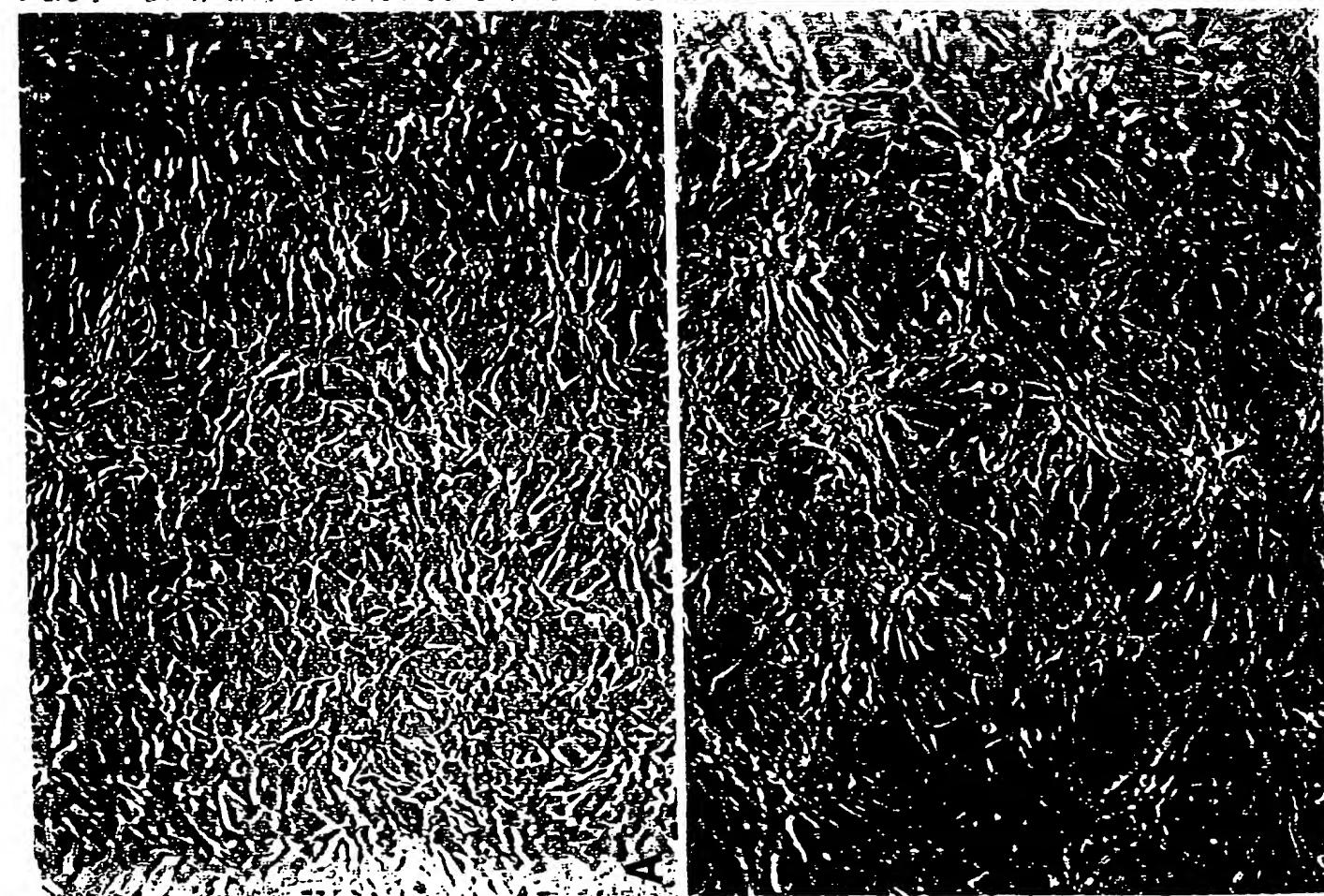
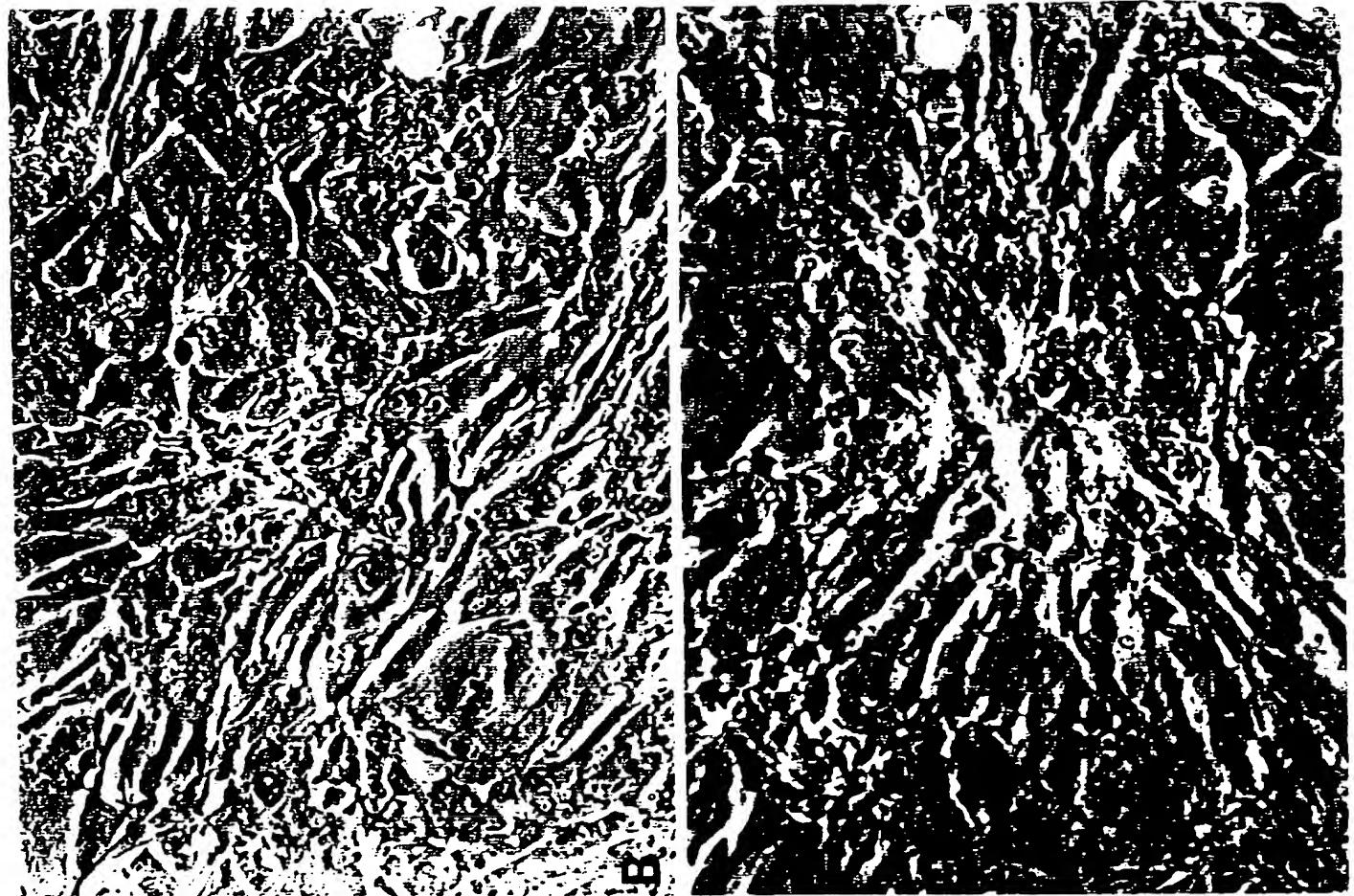


FIG. 17

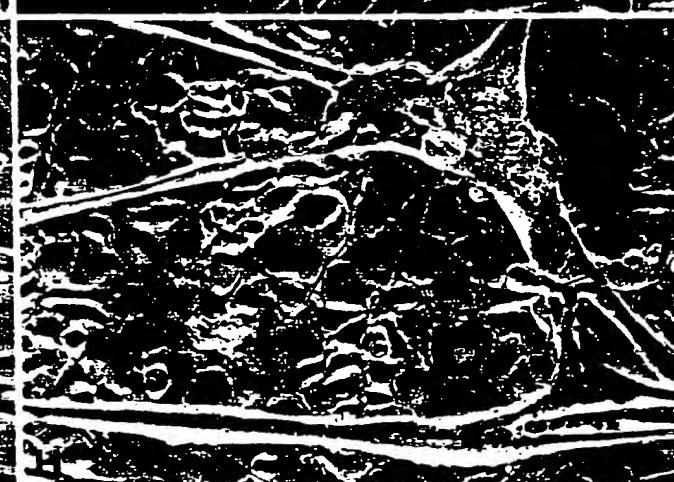
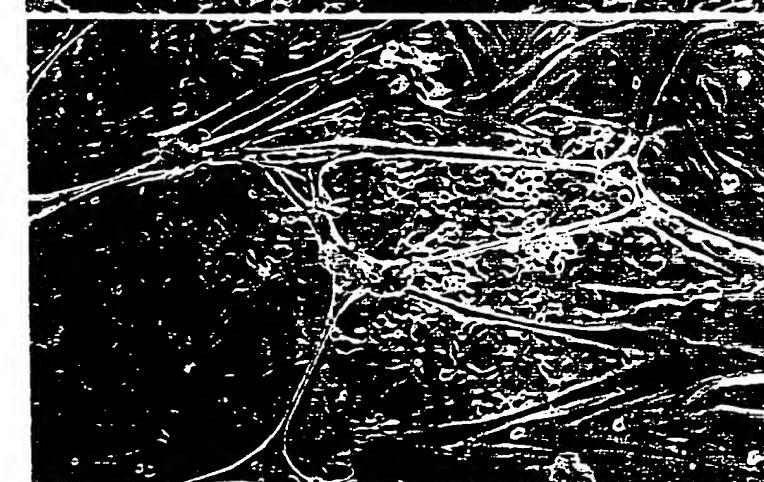
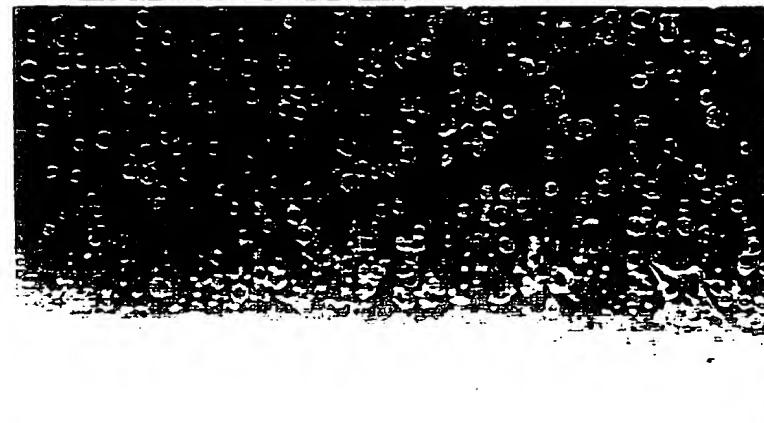
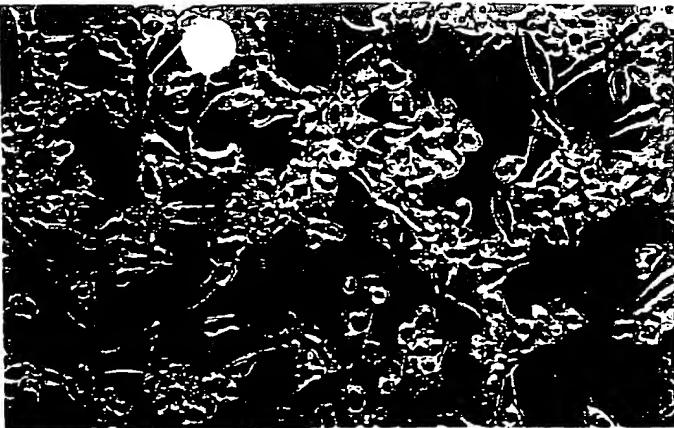
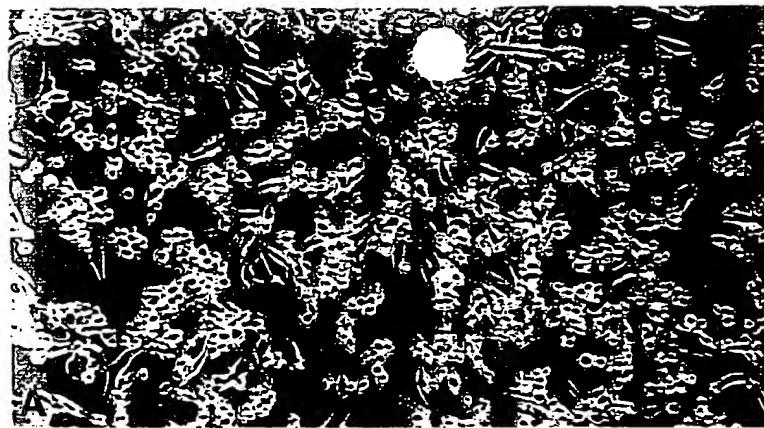


FIG. 18

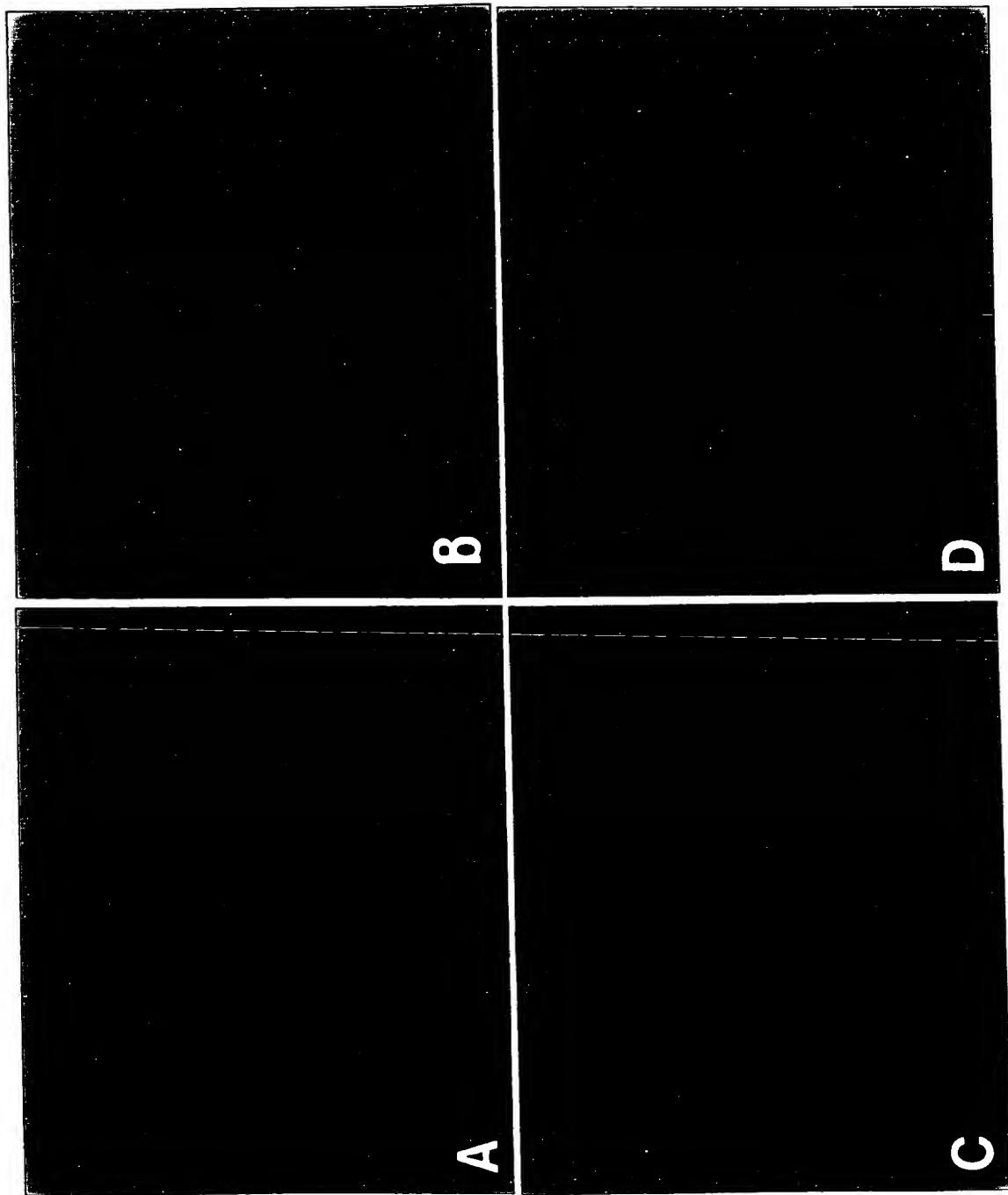


FIG.19

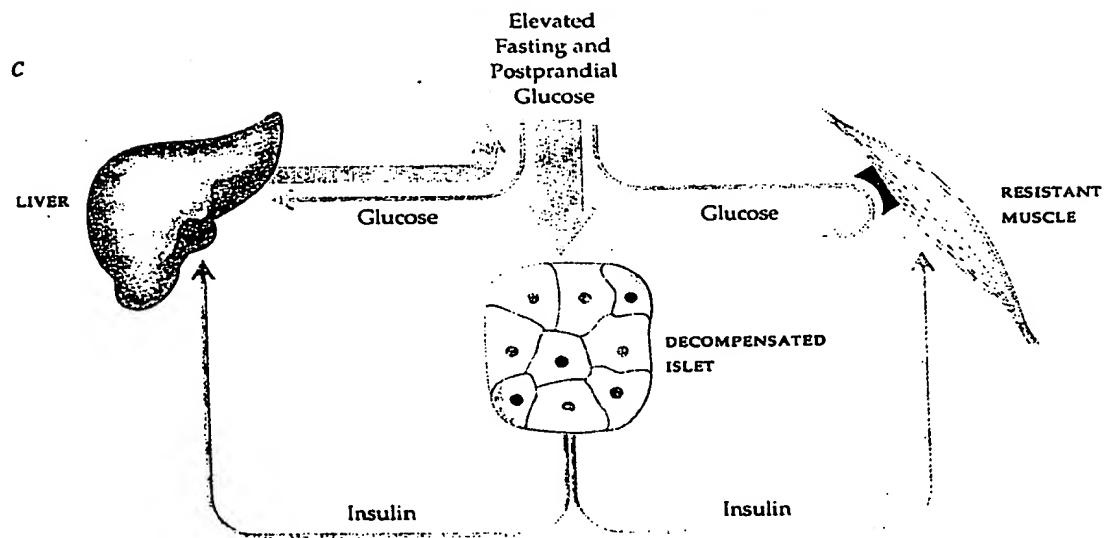
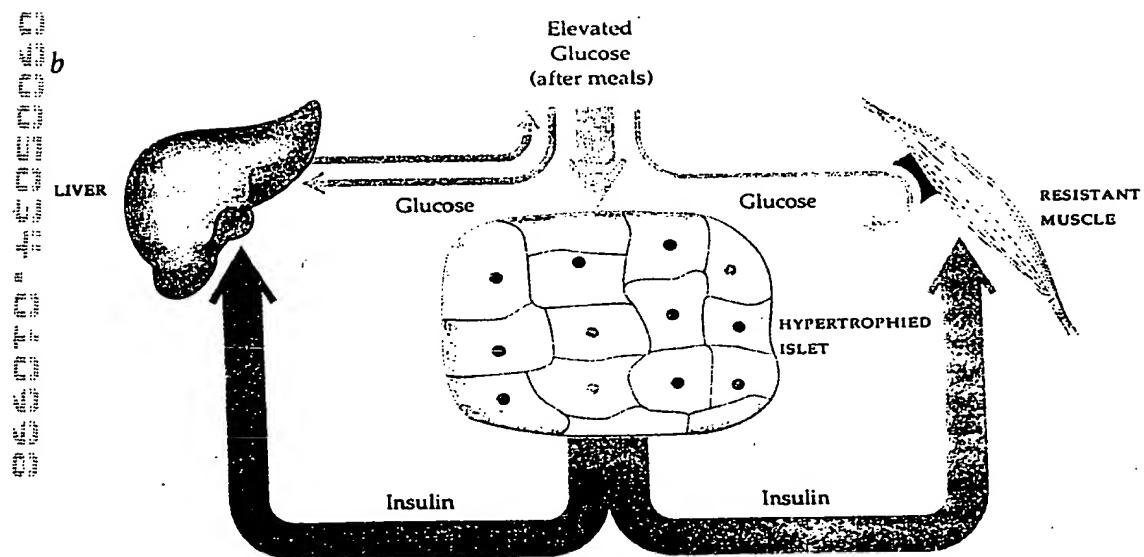
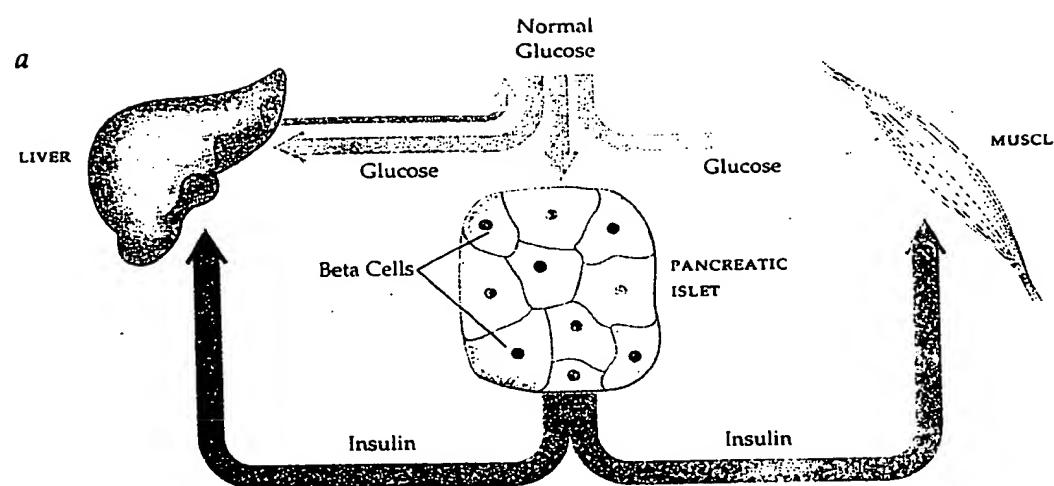


FIG. 20